

**Table 6-3**  
**Construction Cost Estimate for Soil Alternative No. 2**  
Rolling Knolls Landfill Superfund Site - Feasibility Study  
Chatham, New Jersey

Geosyntec Consultants

Chatham, New Jersey							
Component		Unit Cost			Unit	Quantity	Construction Cost Estimate
A - Design/Construction Oversight/Permits							
Pre-Design Investigation		3%	to	4%	% Construction <sup>(2)</sup>	445,410	\$ 15,600
Remedial Design		3%	to	6%	% Construction <sup>(2)</sup>	445,410	\$ 20,100
Remedial Oversight		5%	to	10%	% Construction <sup>(2)</sup>	445,410	\$ 33,500
Subtotal							\$ 69,200
B - Construction Preparation							
Bonding, insurance etc.		0.10%	to	0.20%	% Construction <sup>(2)</sup>	445,410	\$ 700
Mobilization/Demobilization		1%	to	5%	% Construction <sup>(2)</sup>	445,410	\$ 13,400
Subtotal							\$ 14,100
C - General Construction and Site Management							
Site management and facilities		\$ 5,400	to	\$ 21,600	per mth	6	\$ 81,000
Survey (topo , wetlands, etc.)				\$ 2,700	day	5	\$ 13,500
Britten Road entrance repairs		\$ 6	to	\$ 7	sft	10,000	\$ 65,000
Construction entrance		\$ 5,400	to	\$ 10,800	est.	1	\$ 8,100
Traffic management (assumed half of construction period)		\$ 2,200	to	\$ 10,800	per mth	3	\$ 19,500
Structural BMP (bog turtle)		\$ 21,600	to	\$ 43,100	est.	1	\$ 32,400
Subtotal							\$ 219,500
D - Site Controls (physical)							
7-ft high perimeter fence				\$ 33	per lin ft	6,500	\$ 214,500
20-ft wide double access gates				\$ 4,400	each	2	\$ 8,800
3-ft wide man gates				\$ 870	each	3	\$ 2,610
Subtotal							\$ 225,910
E - Site Controls (administrative)							
Institutional controls				\$ 10,800	est.	1	\$ 10,800
Reporting to EPA				\$ 4,400	every 5-yrs	6	\$ 26,400
Reporting to NJ				\$ 4,400	every 2-yrs	15	\$ 66,000
Subtotal							\$ 103,200
F - Post-Remedy Operation & Maintenance (O&M)							
Fence O&M		\$ 2,300	to	\$ 6,800	annual	30	\$ 199,800
Subtotal							\$ 199,800
TOTAL							\$ 832,000

Notes:

(1) See Table 6-4 for cost estimate assumptions, notes, and limitations.

(2) Construction cost to estimate these items include the costs of Items C and D.